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## Can computers win gold medals?

Computer\_ technology allows us to analyse athletic performance in more detail than ever



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The article discusses how computer technology is being used to analyze athletic performance in detail. Dr. Gideon Ariel, director of research at Computerized Biomedical Analysis Inc, uses an electronic pen to trace a frame of a shot putter, with a computer simultaneously displaying the image. The computer helps to relate an athlete's performance precisely to what they do, and also to find out why some people are better equipped for particular events than others. The data from high-speed films and measurements of body motion and forces are used to create "stick figures" that recreate an athlete's complete movement. This technology is used to improve techniques in various athletic events, including hammer throwing, weightlifting, diving, and long-distance running.

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Below find a reprint of the 4 relevant pages of the article "Can computers win gold medals?" in "New Scientist":





Or Gideon Ariel uses an electronic pen to trace a film frame of a shot putter; a computer simultaneously displays the image

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